

FIG. 1

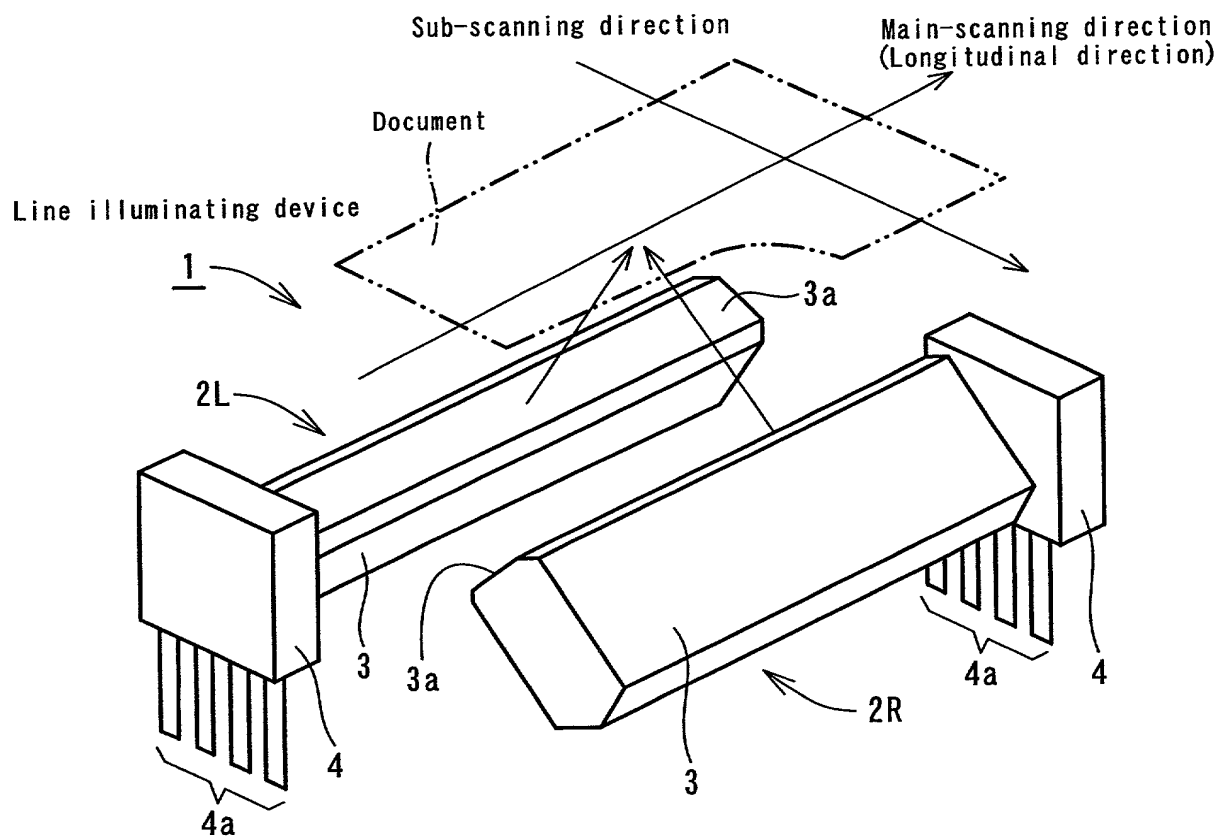


FIG. 2

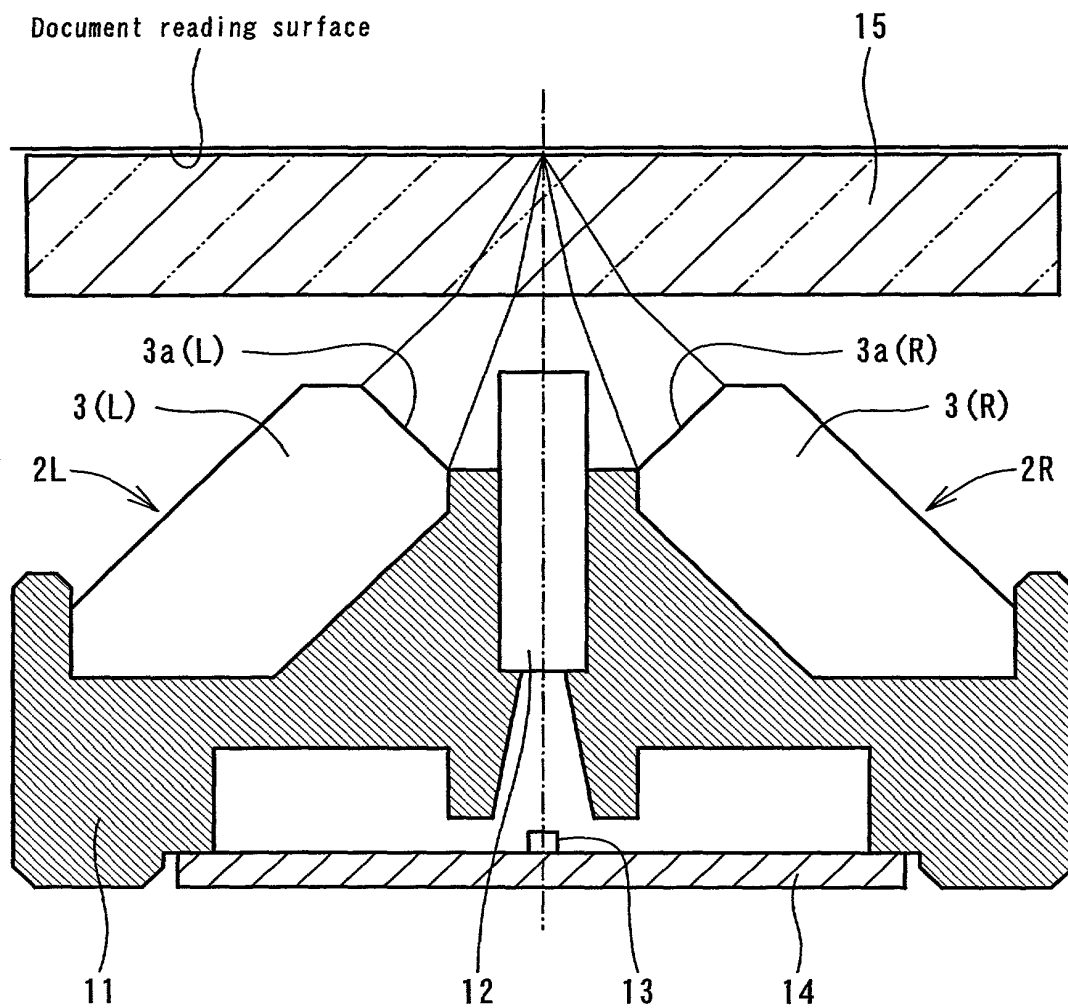


FIG. 3 (a) Illuminating unit provided with a light-emitting source on the origin side of main-scanning coordinates

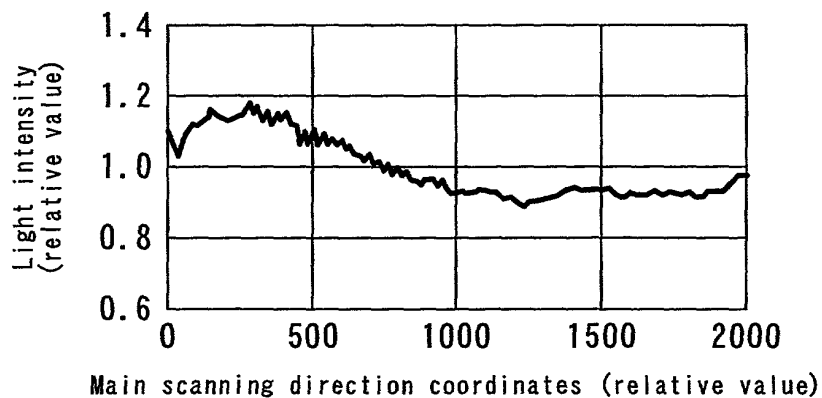


FIG. 3 (b) Illuminating unit provided with a light-emitting source on the 2000 side of main-scanning coordinates

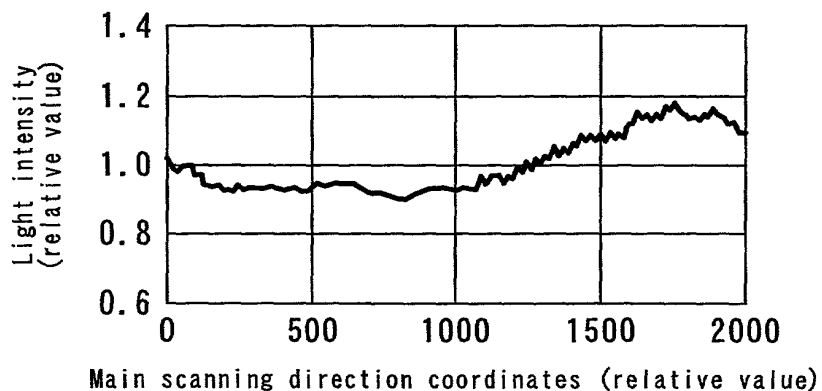


FIG. 3 (c) Line illuminating device of the present invention (Compound of each illuminating unit)

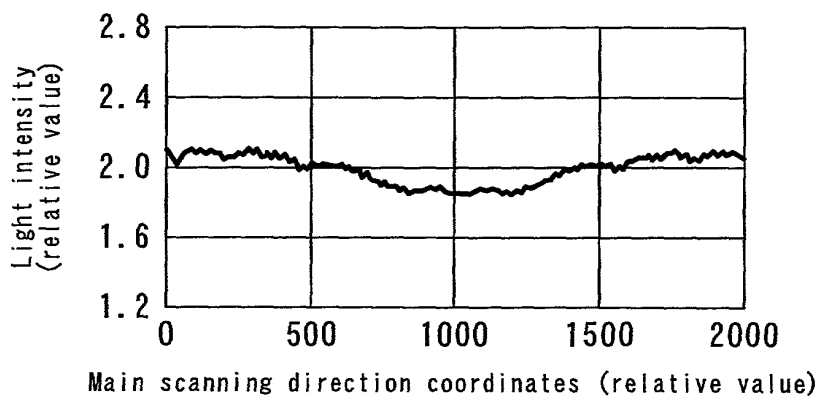


FIG. 4 (a)

Light spatial intensity distribution  
of the left illuminating unit in the sub-scanning direction

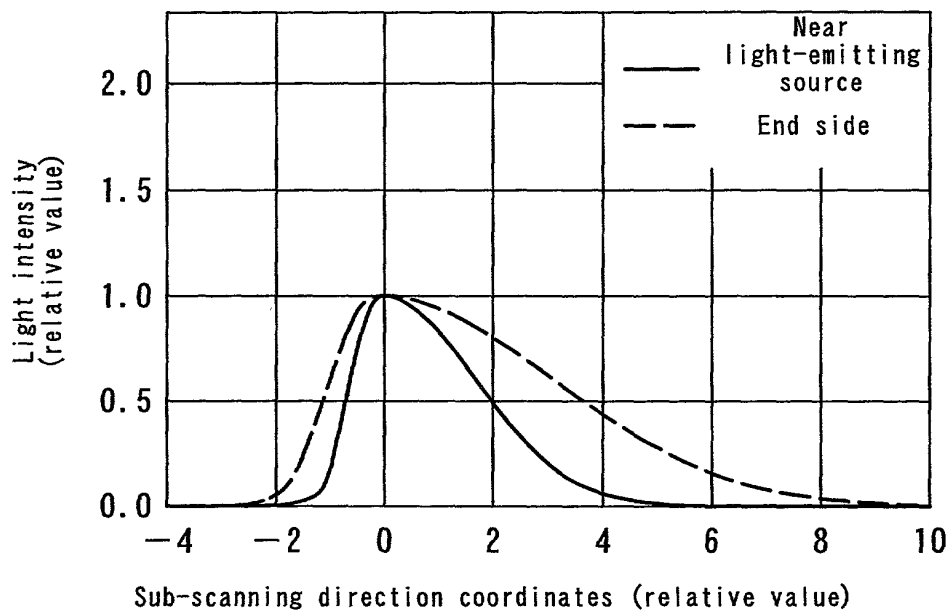


FIG. 4 (b)

Light spatial intensity distribution of line illuminating device  
of the present invention in the sub-scanning direction

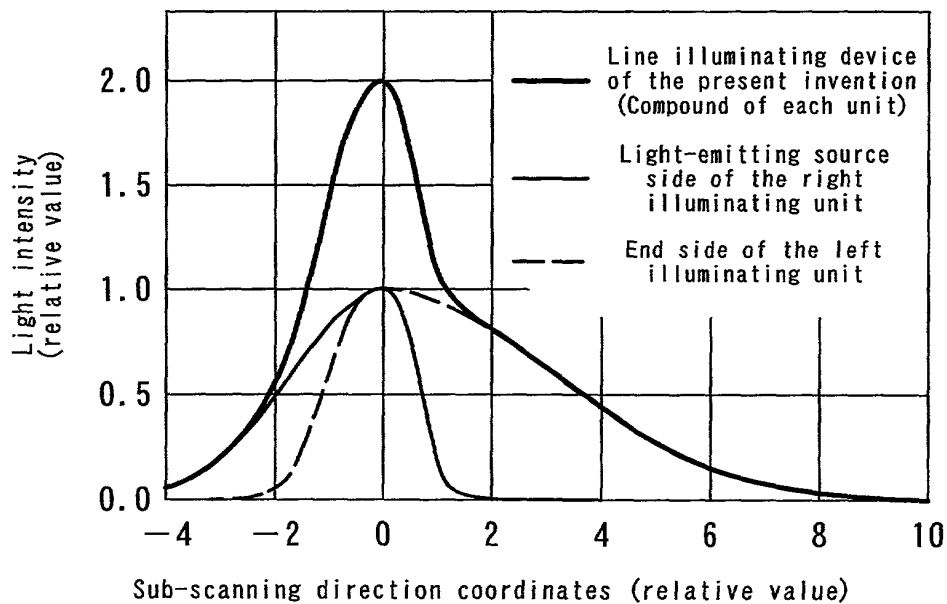




FIG. 6 (a)

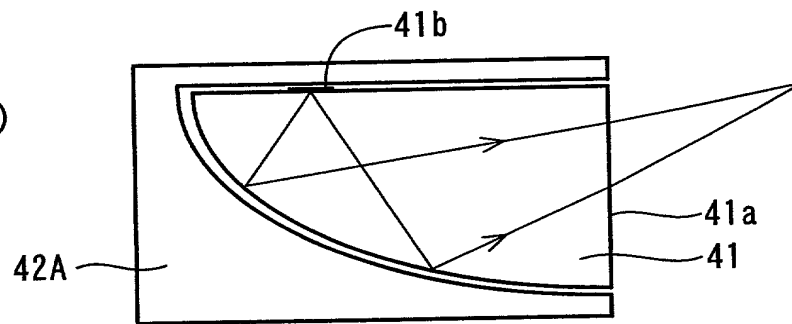


FIG. 6 (b)

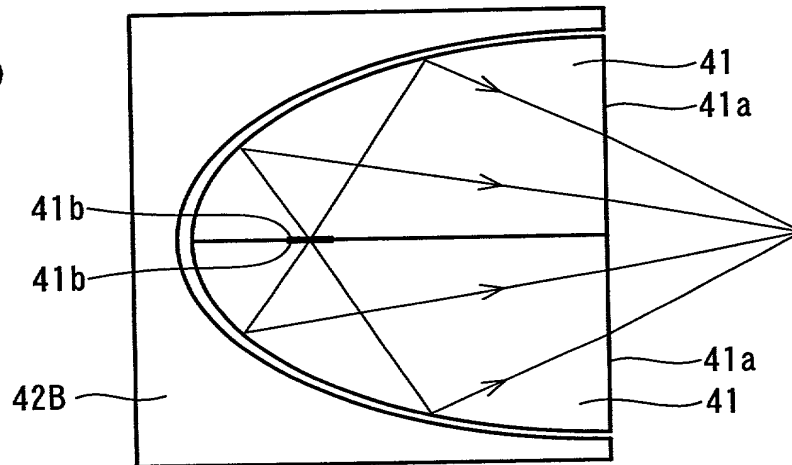


FIG. 6 (c)

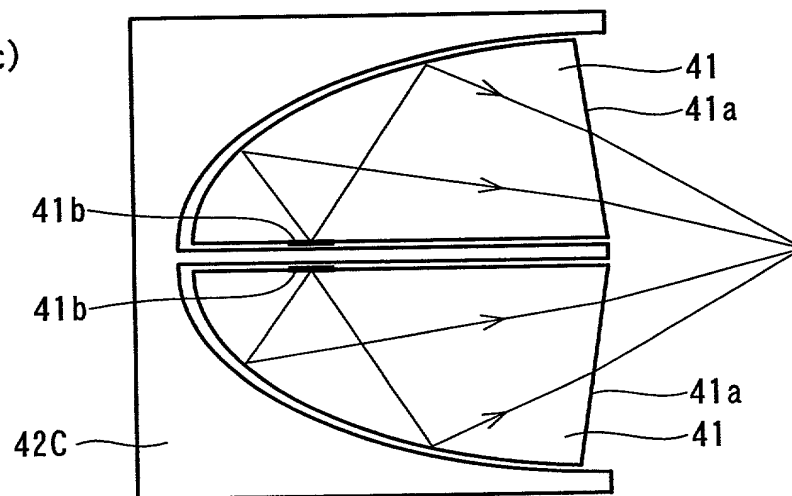


FIG. 7 (a)

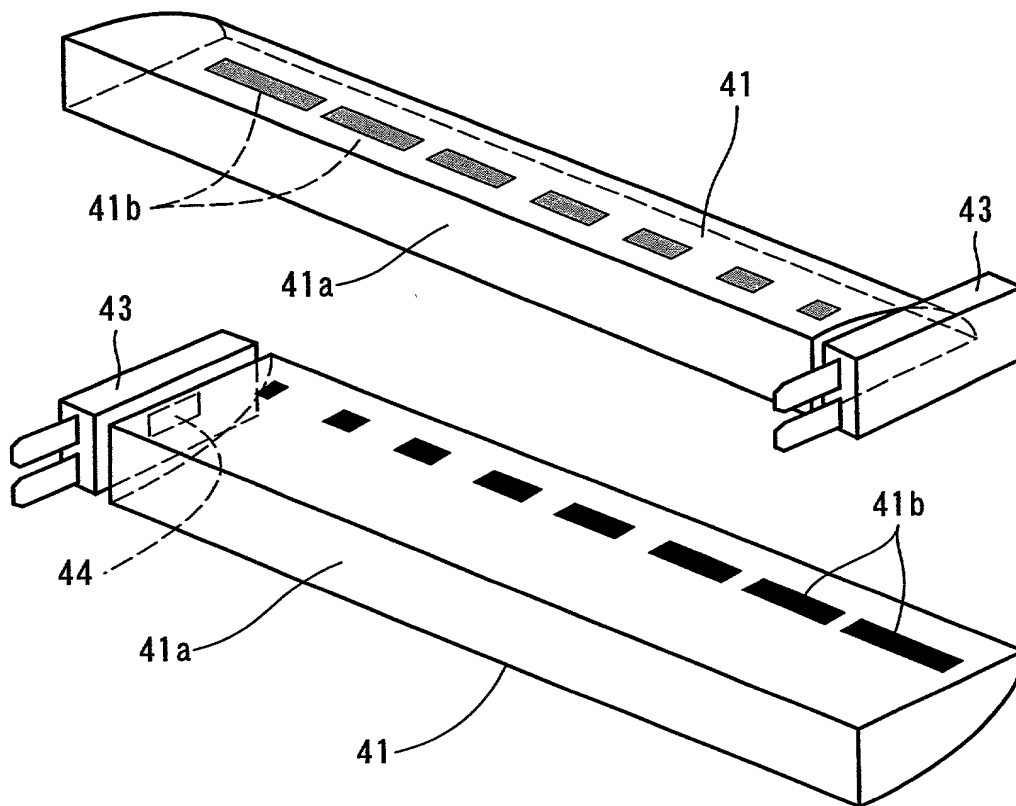


FIG. 7 (b)

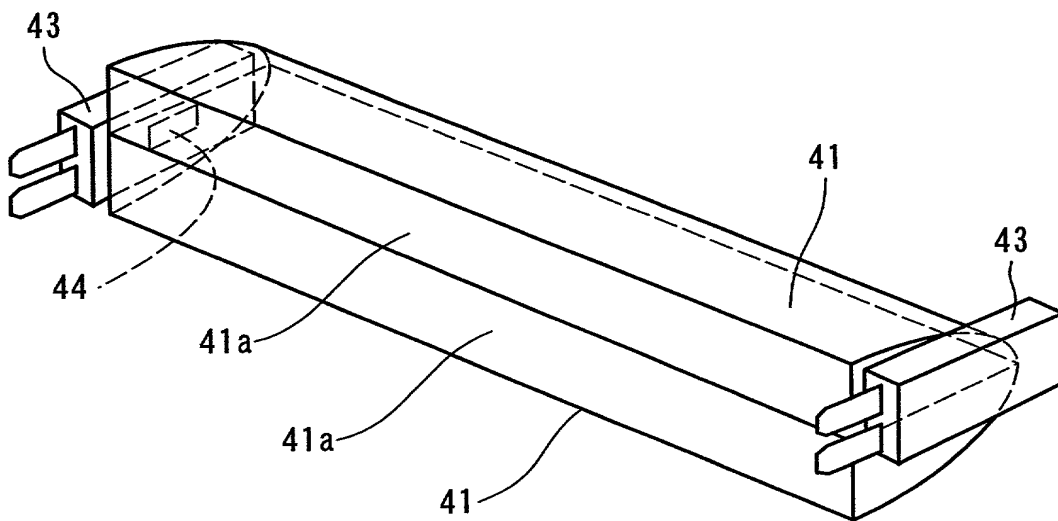


FIG. 8 (a)

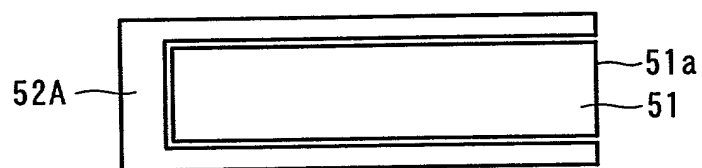


FIG. 8 (b)

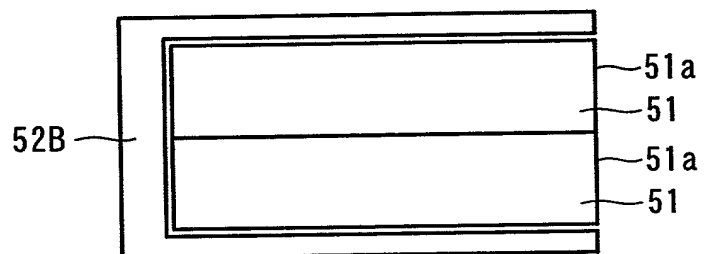


FIG. 8 (c)

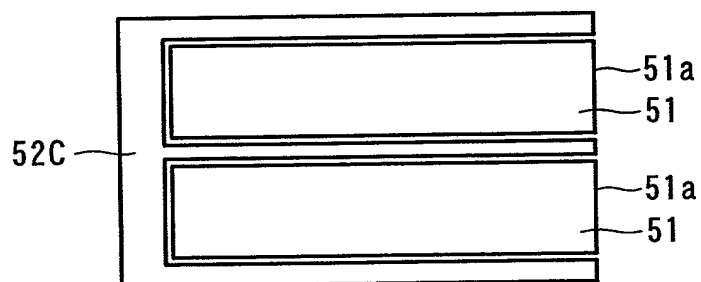




FIG. 9 (a)

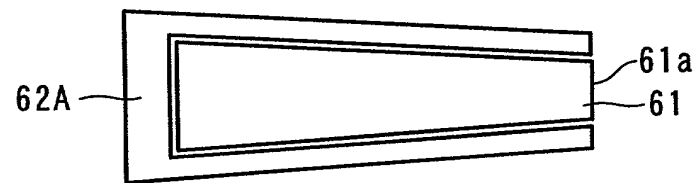


FIG. 9 (b)

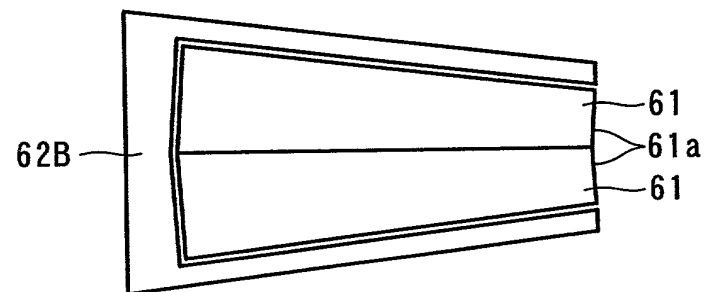


FIG. 9 (c)

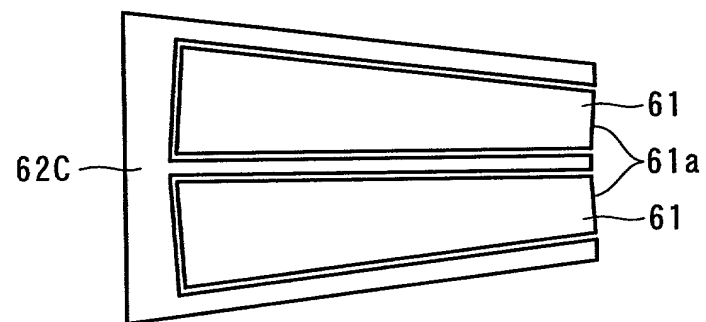




FIG. 11

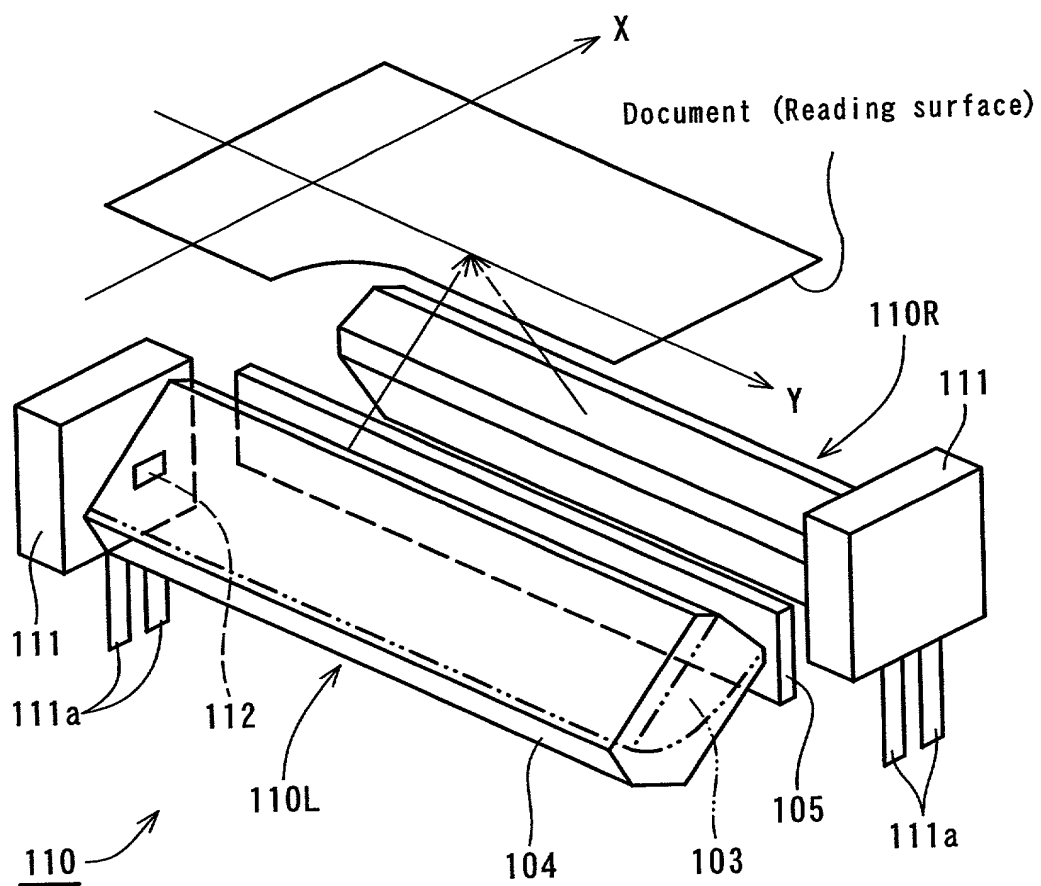


FIG. 12 (a) Arrangement of light scattering patterns

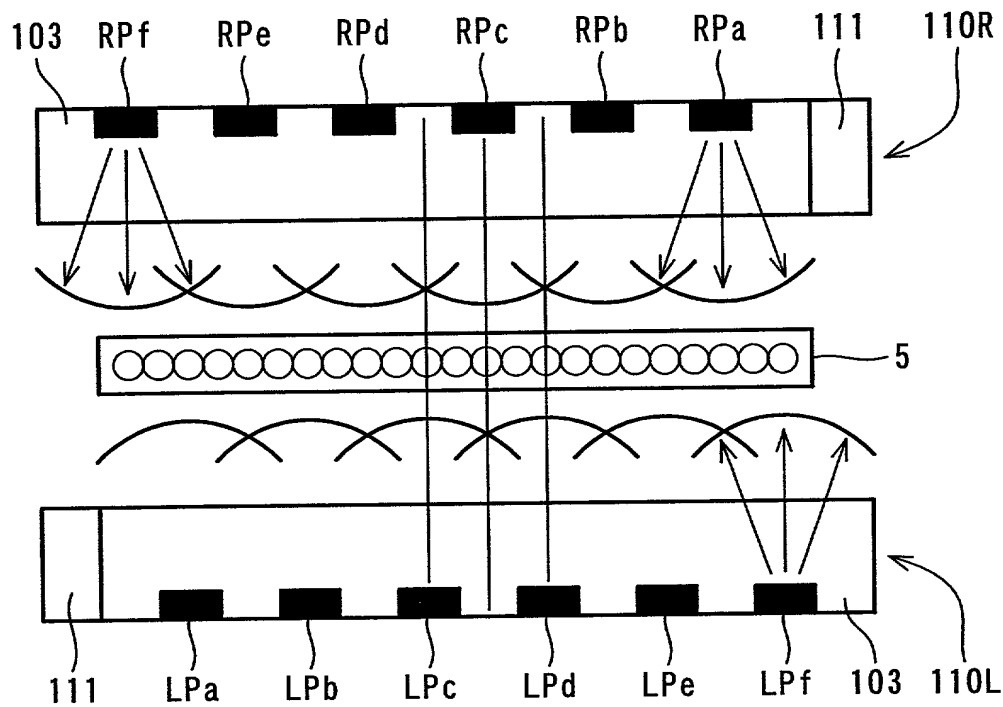


FIG. 12 (b) Light intensity distribution when document is elevated

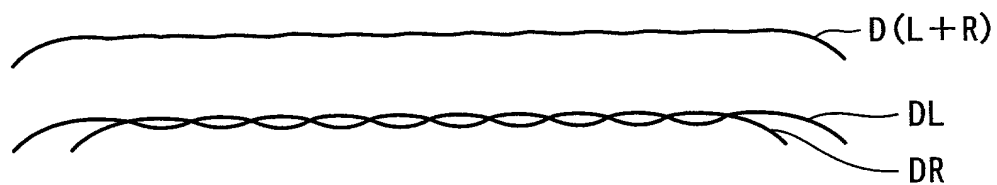


FIG. 12 (c) Light intensity distribution when document is not elevated

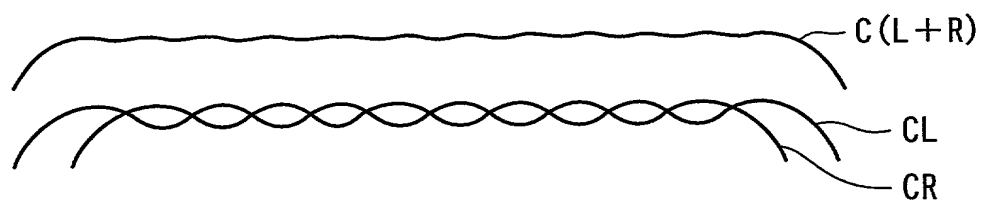


FIG. 13 (a)

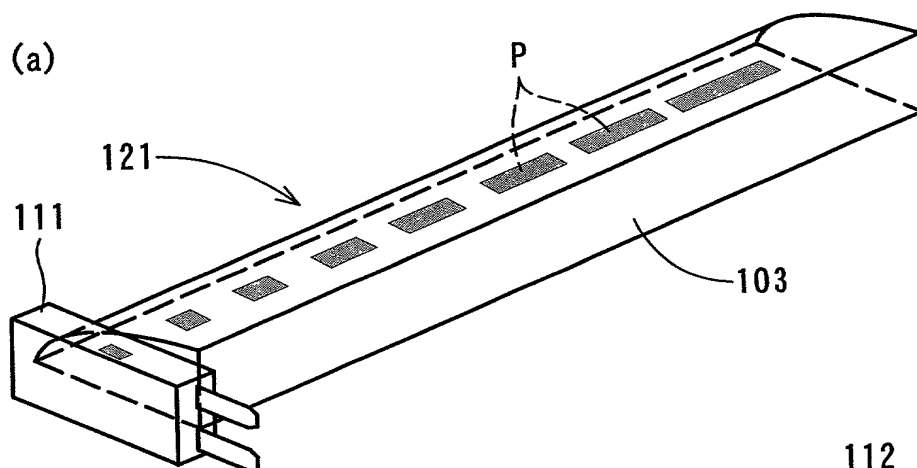


FIG. 13 (b)

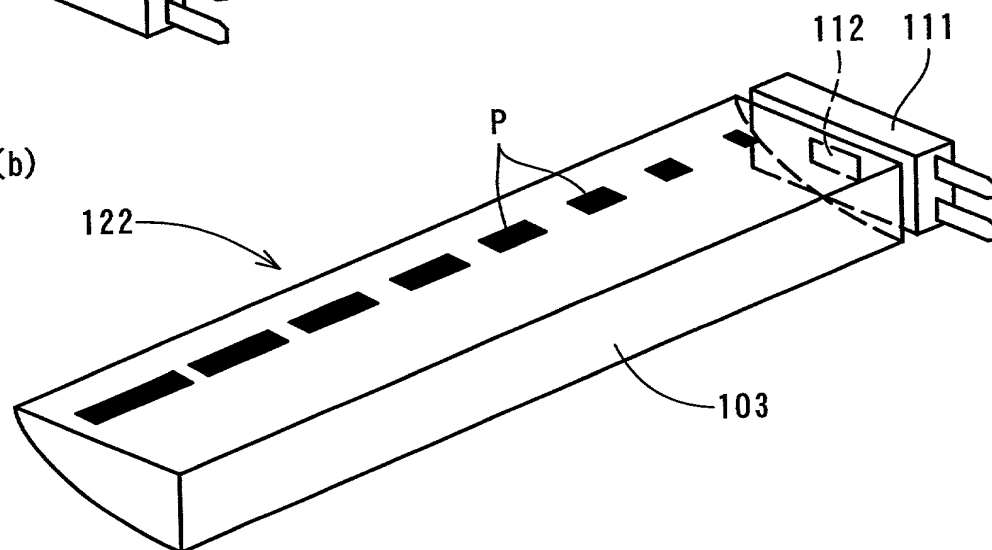


FIG. 13 (c)

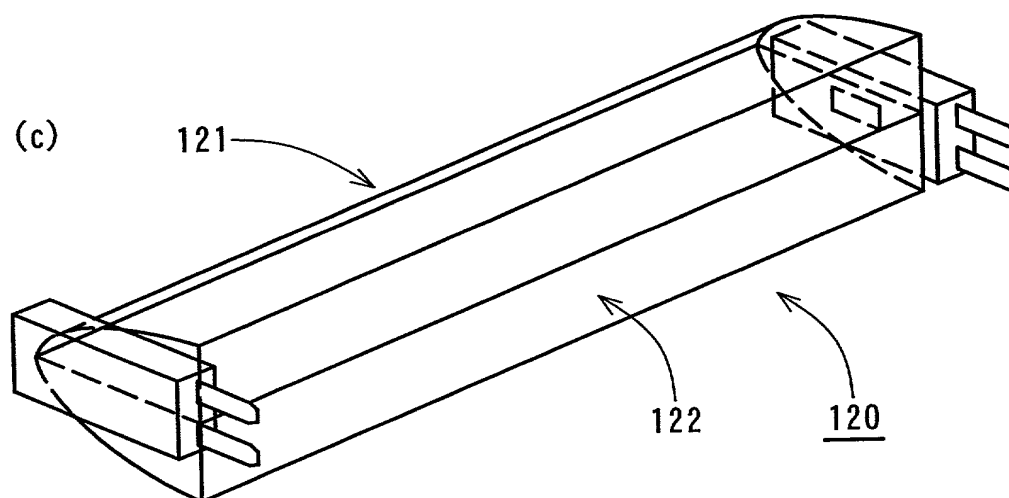


FIG. 14

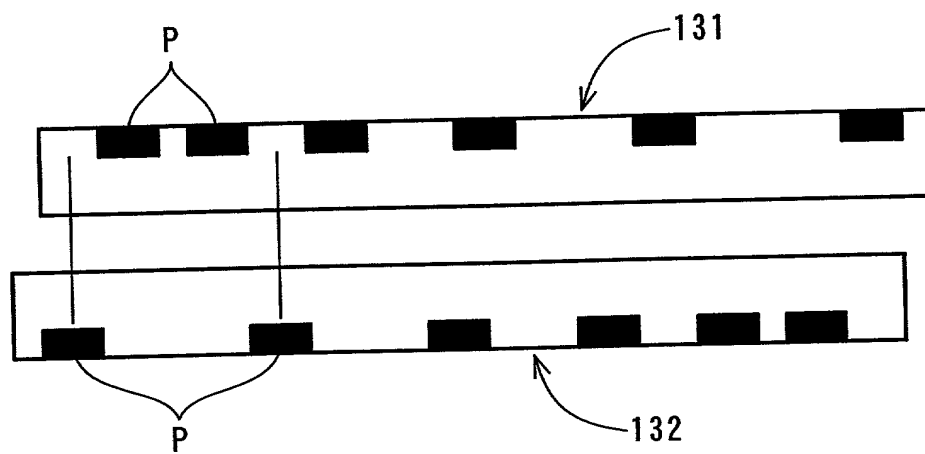


FIG. 15

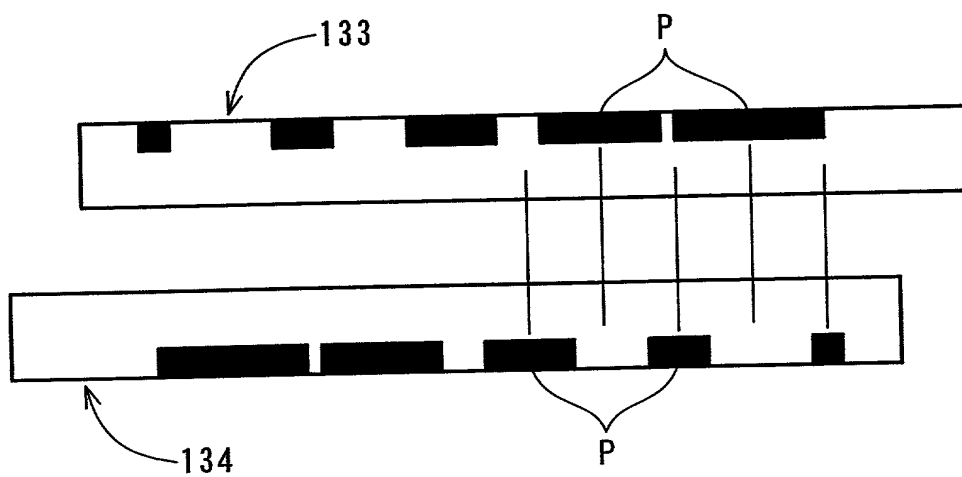


FIG. 16

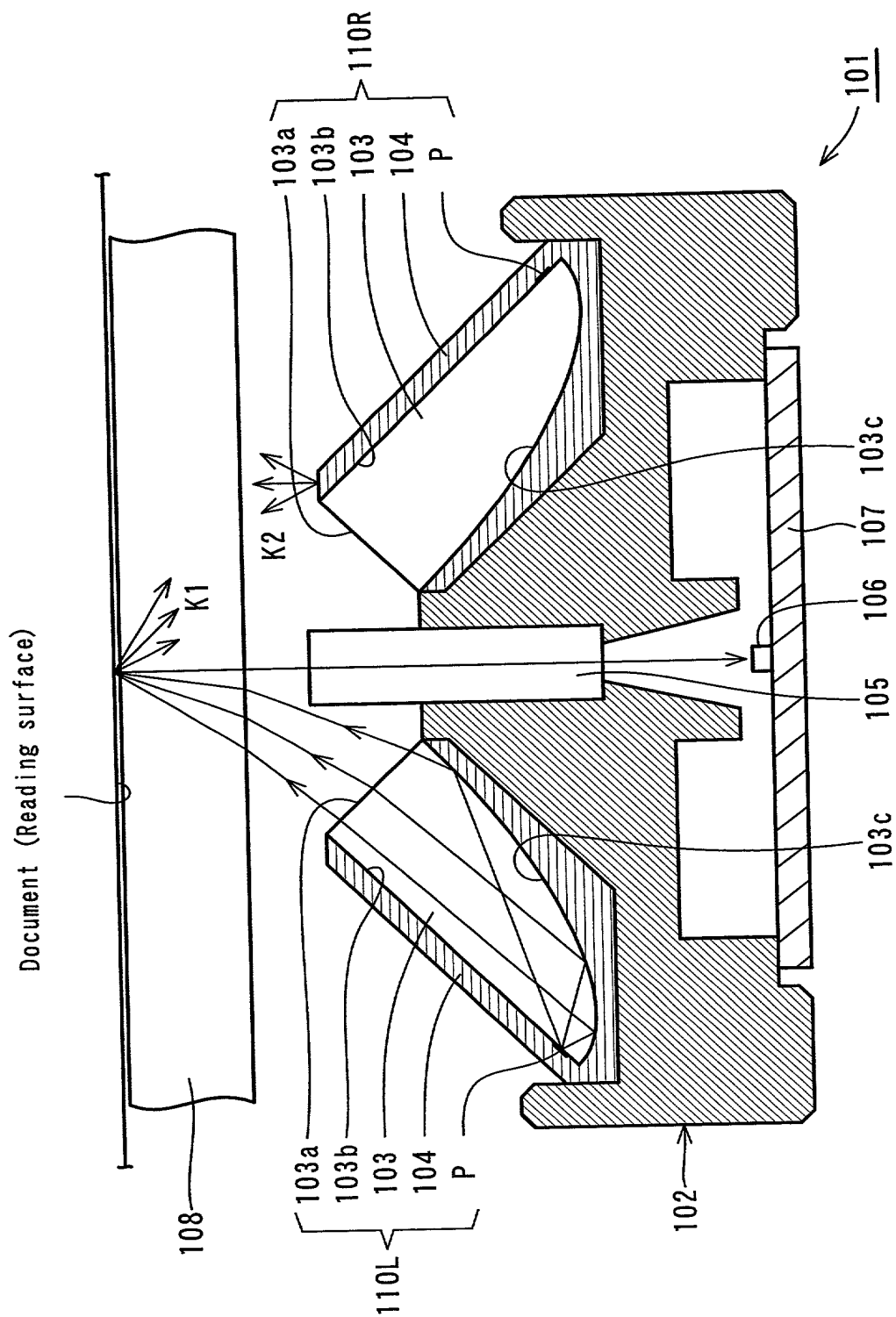


FIG. 17

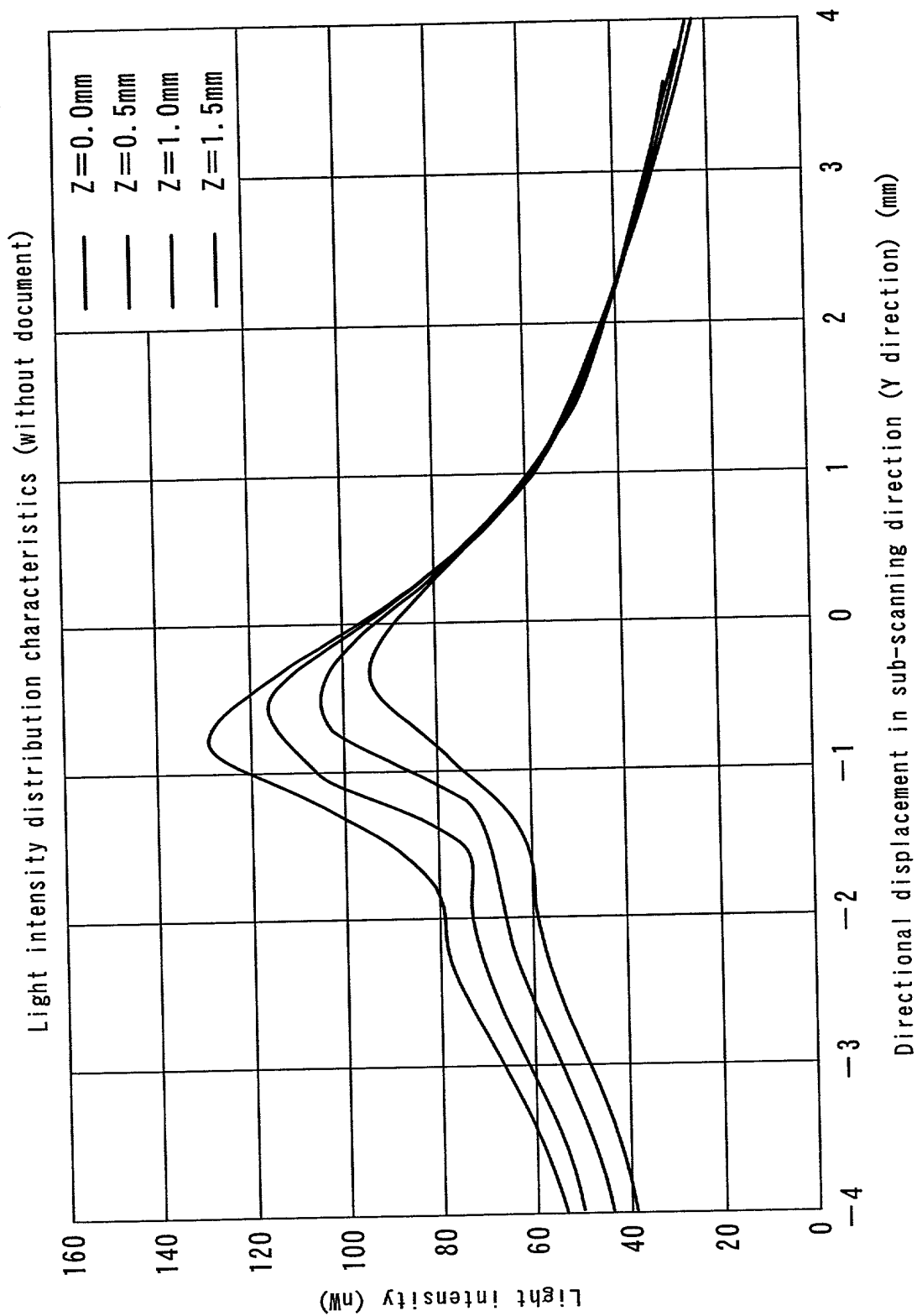




FIG. 18

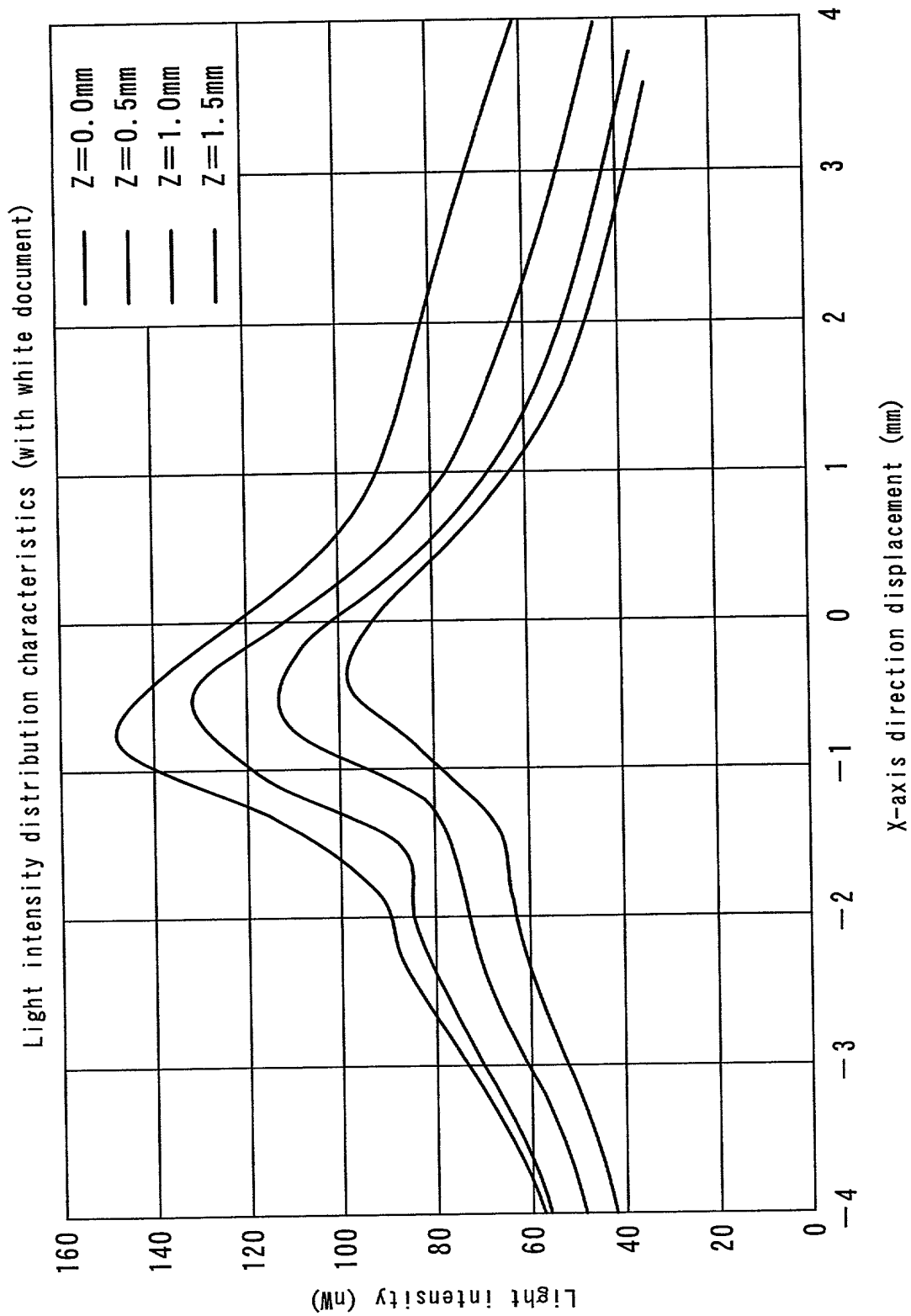


FIG. 19 (a)

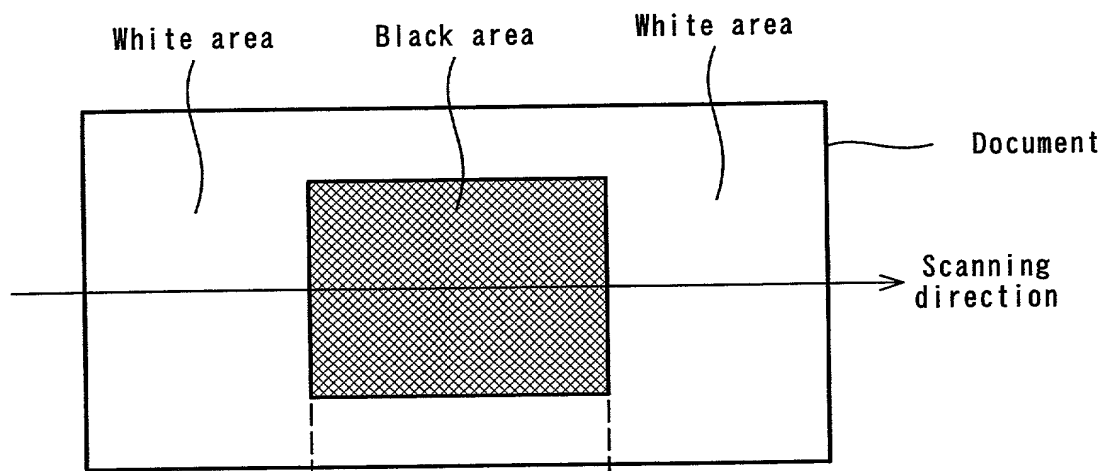


FIG. 19 (b)

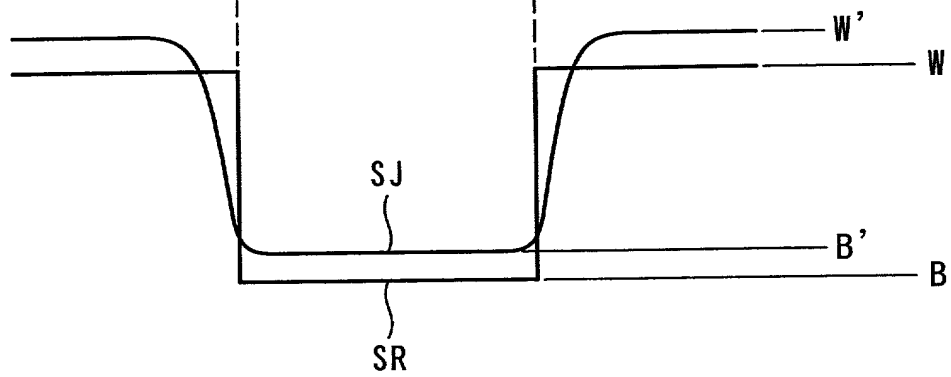


FIG. 20

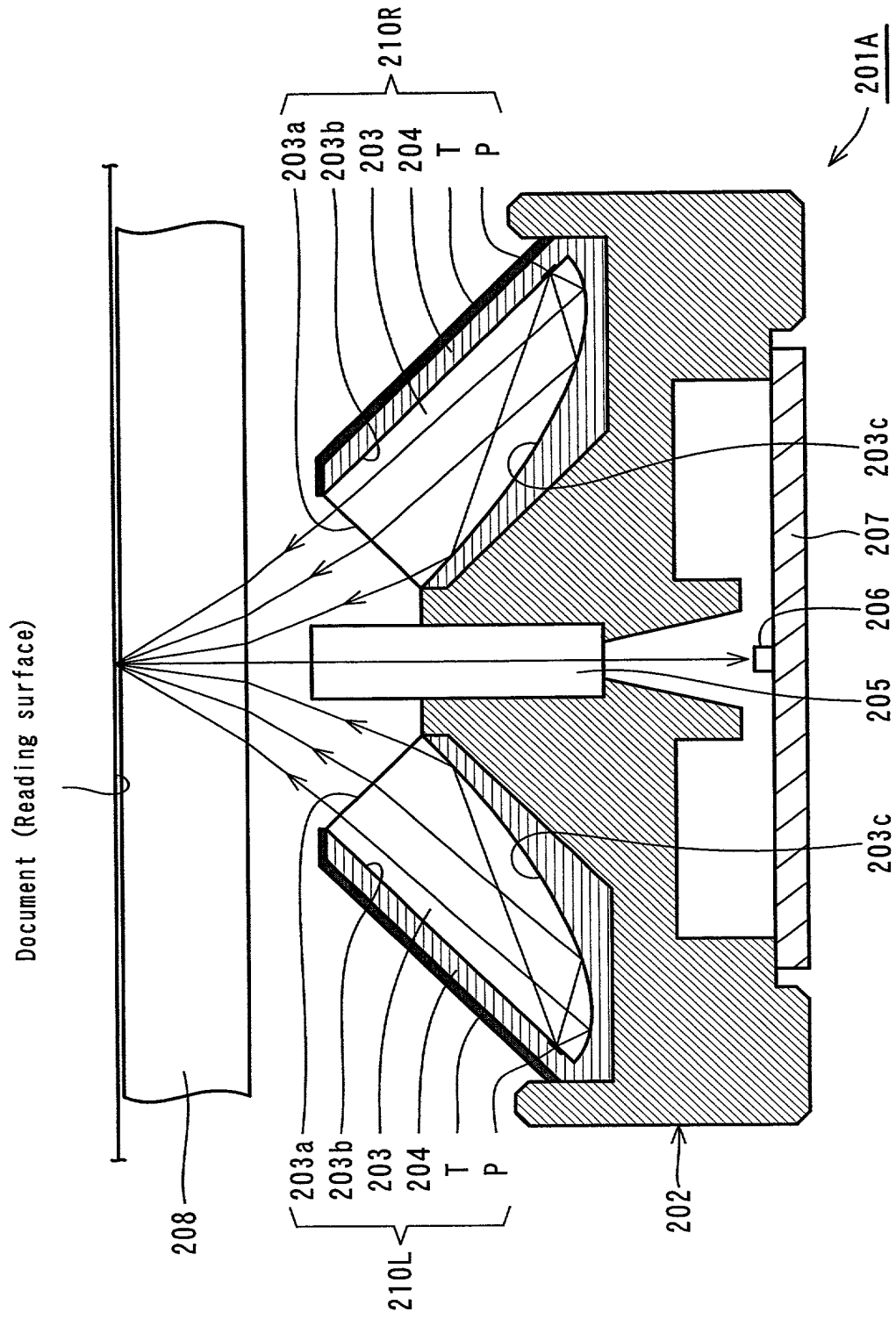


FIG. 21

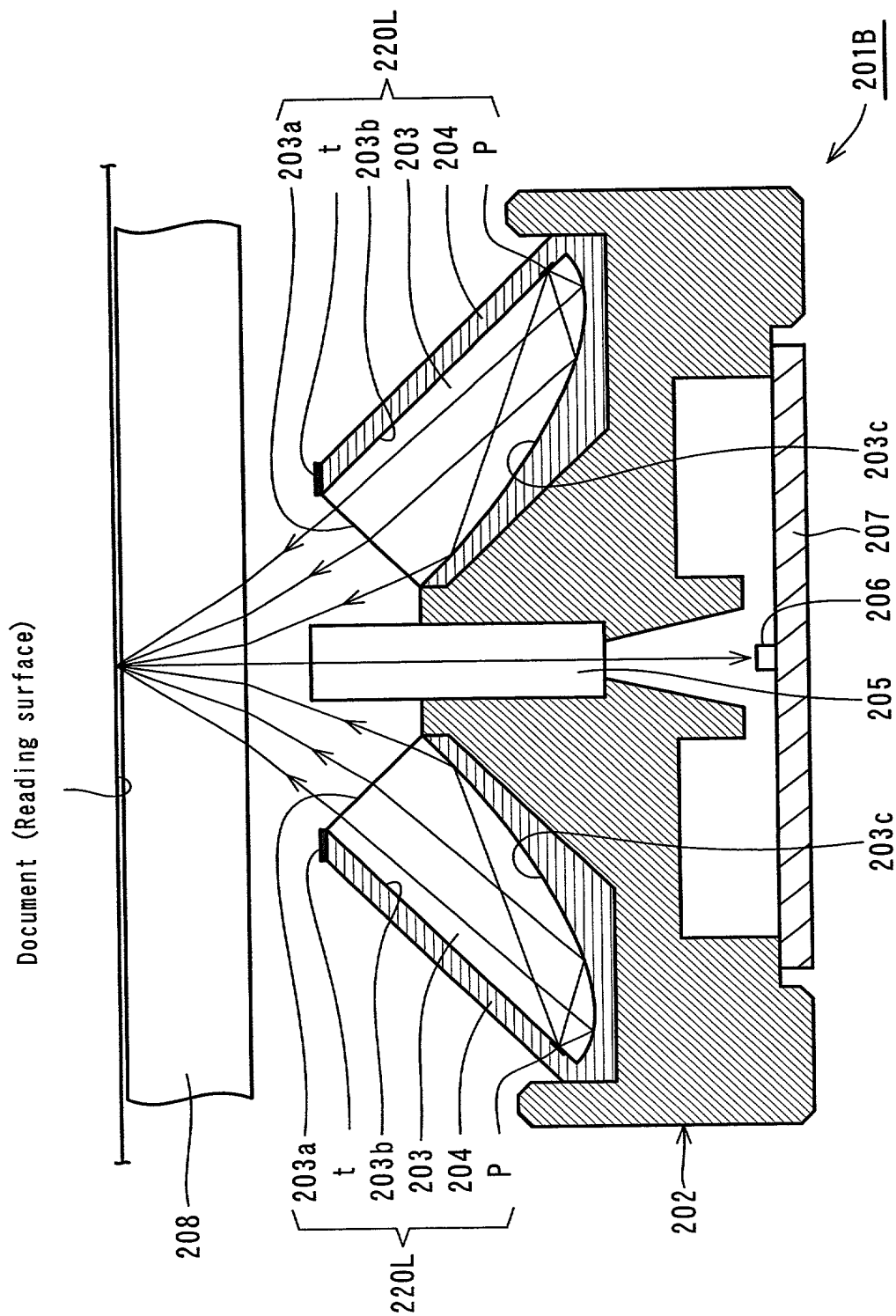


FIG. 22

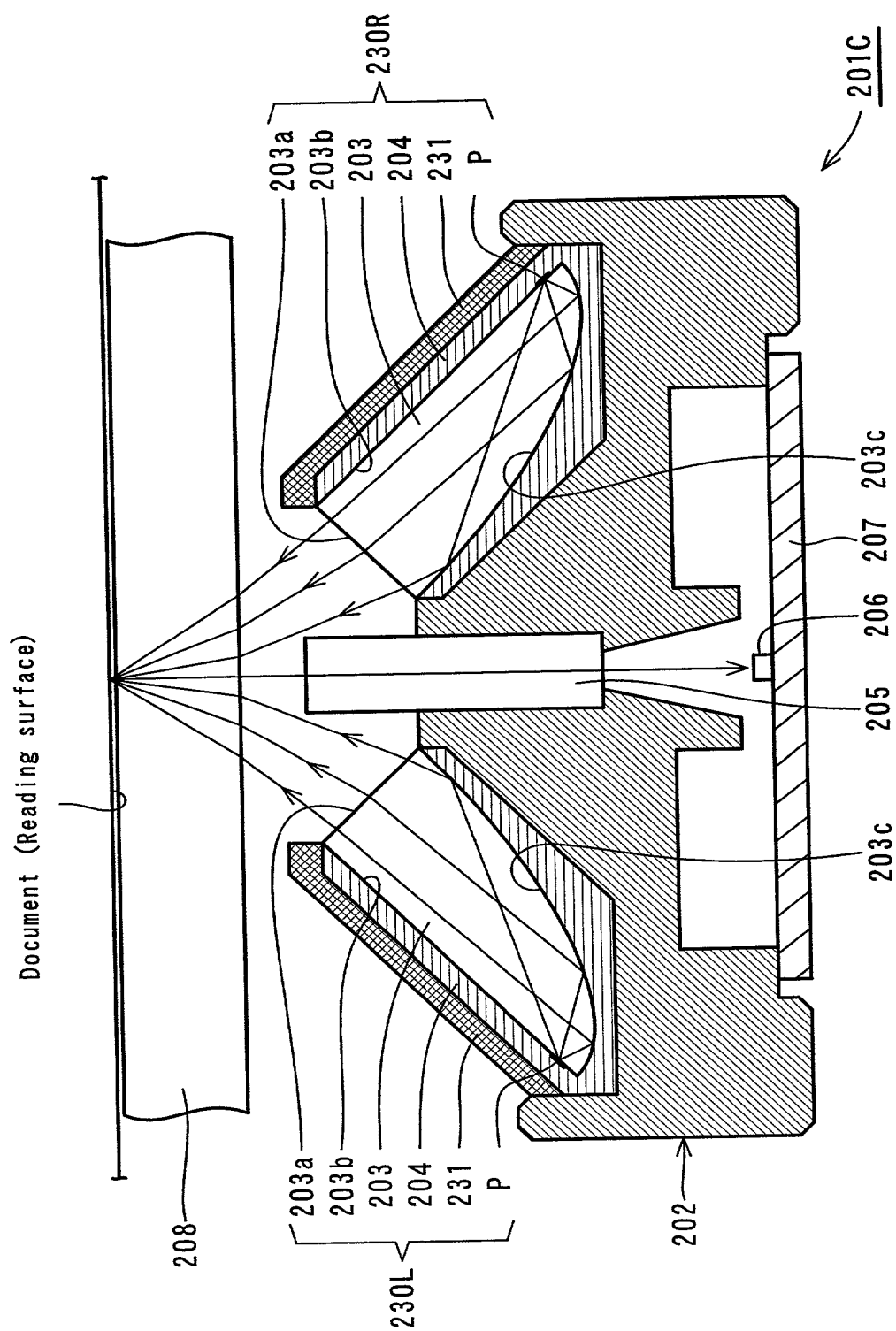


FIG. 23

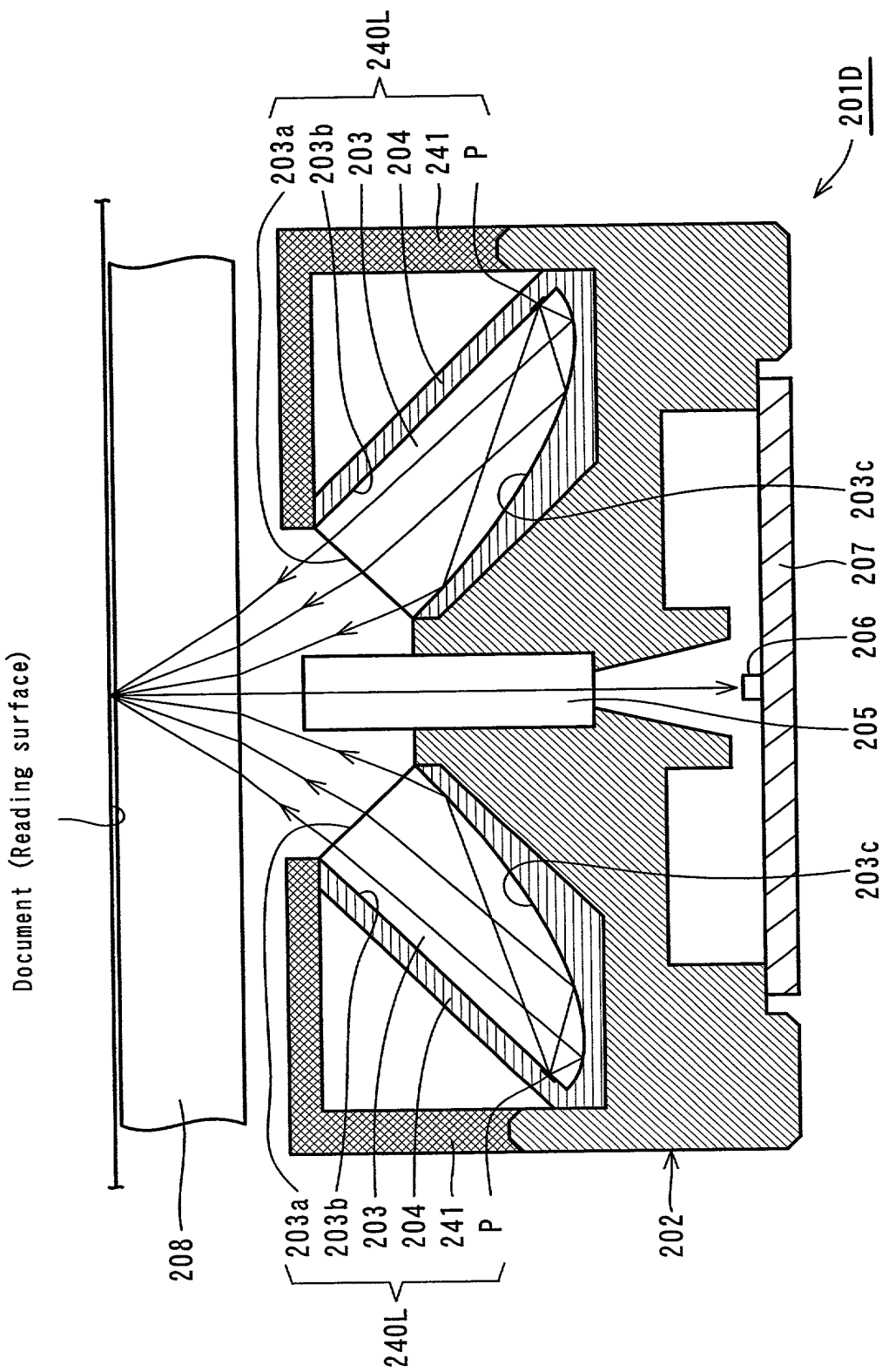


FIG. 24

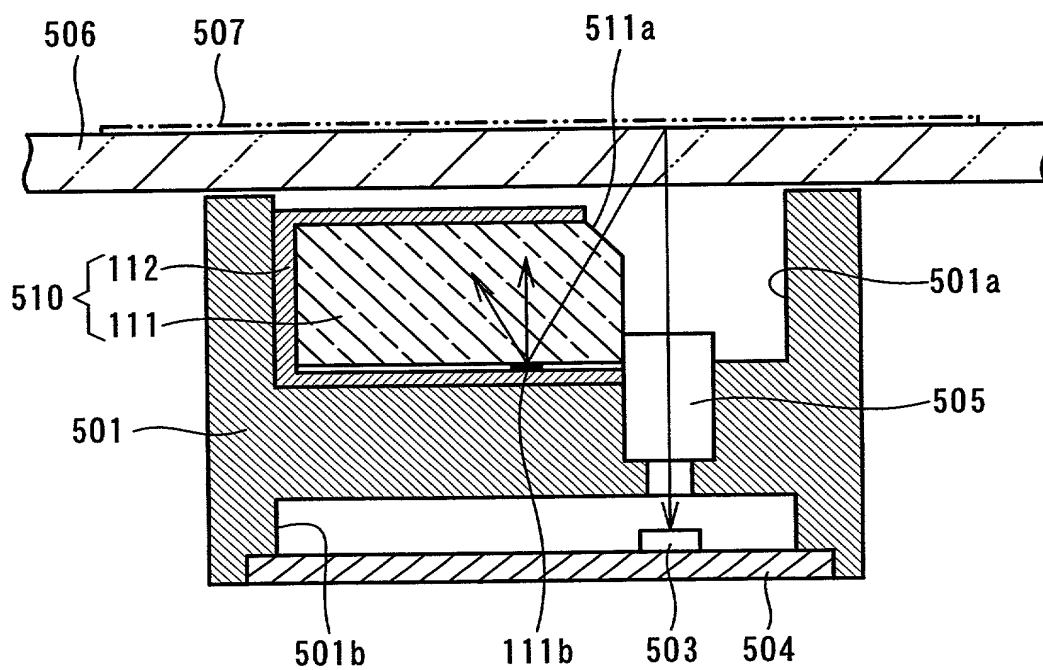


FIG. 25

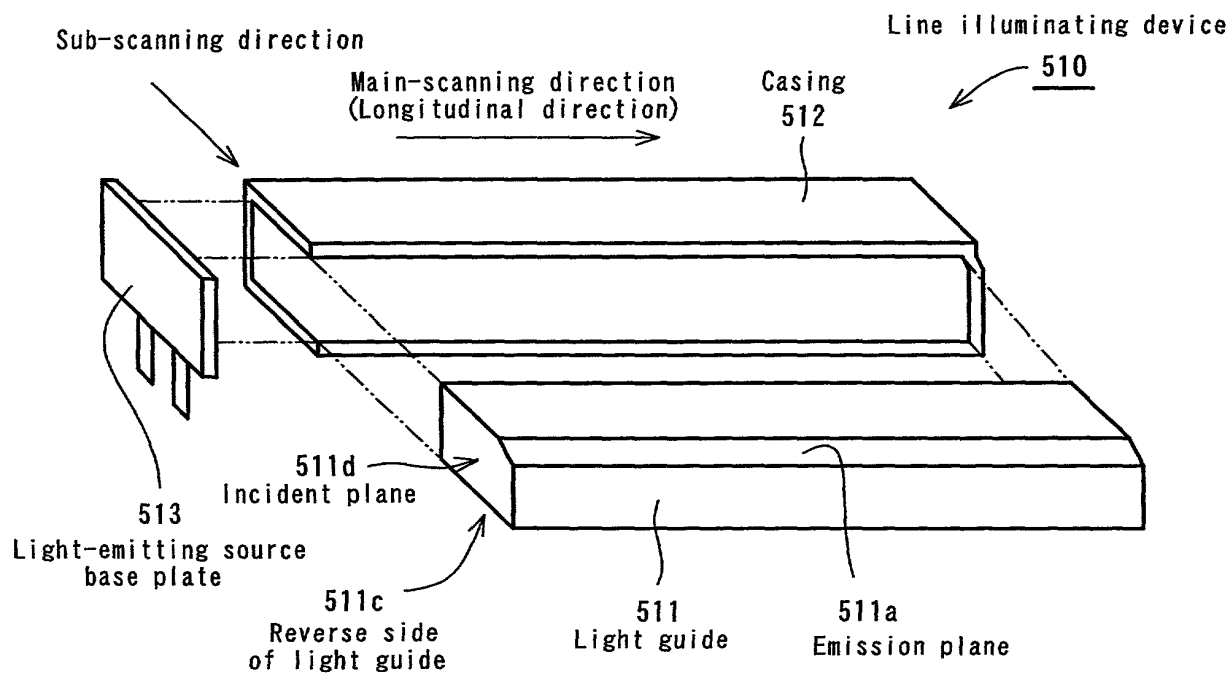




FIG. 26

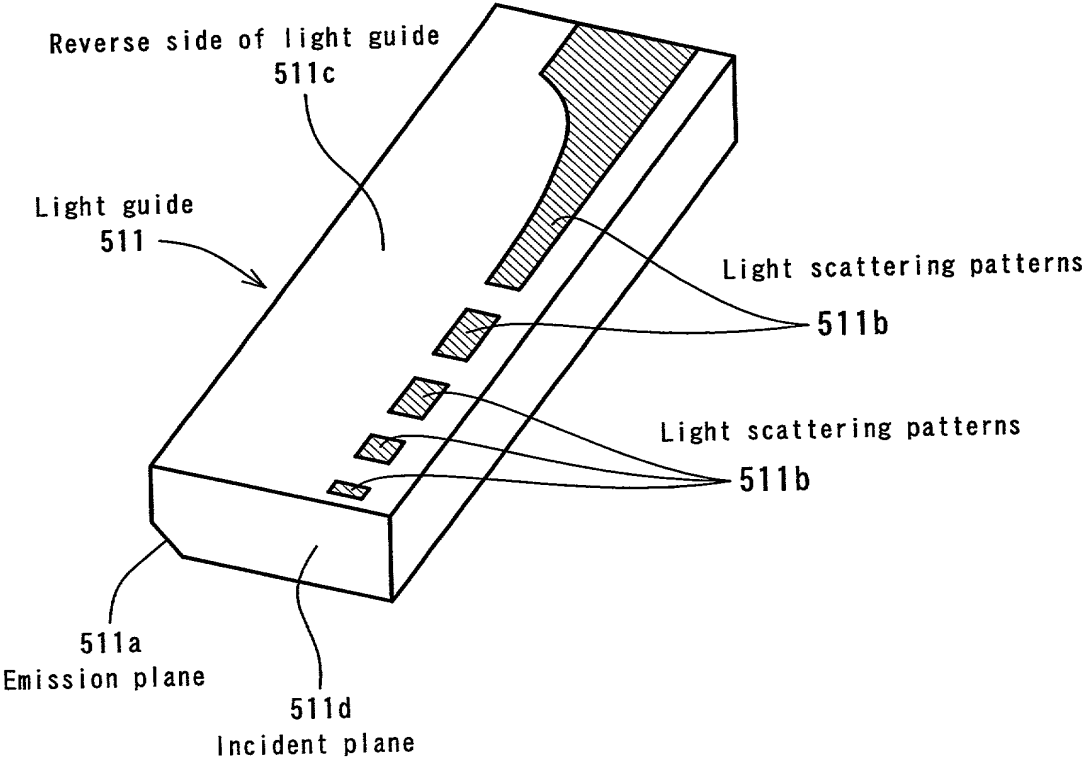


FIG. 27

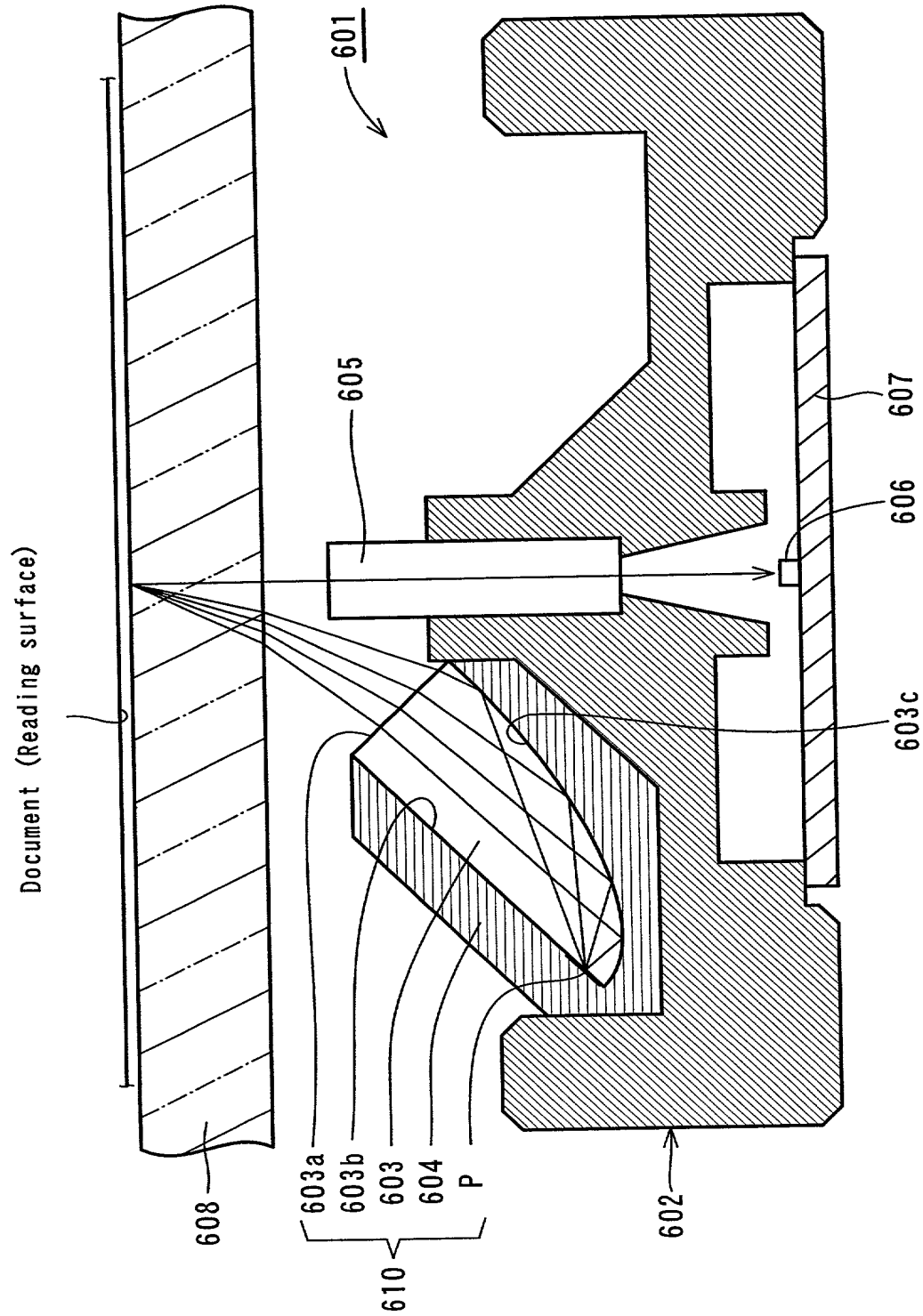


FIG. 28

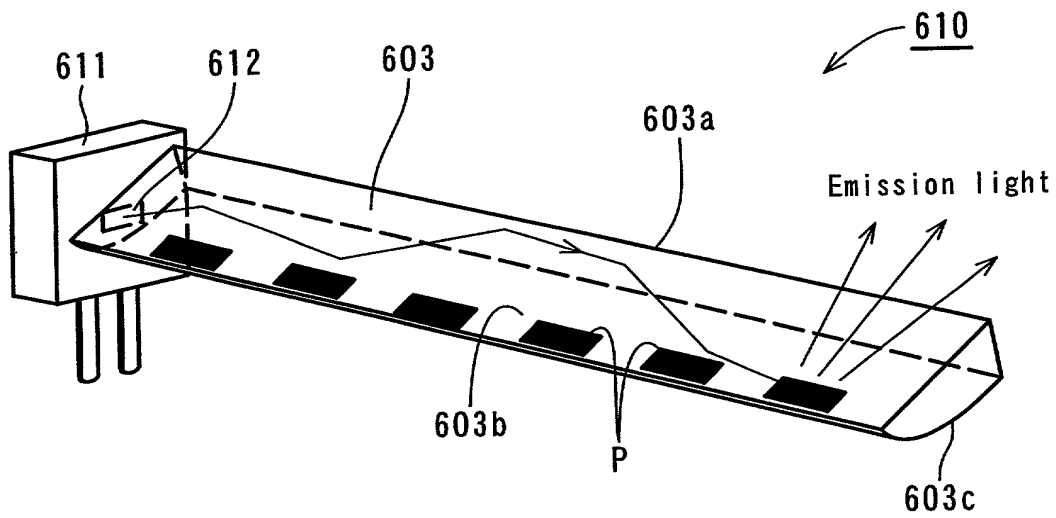


FIG. 29

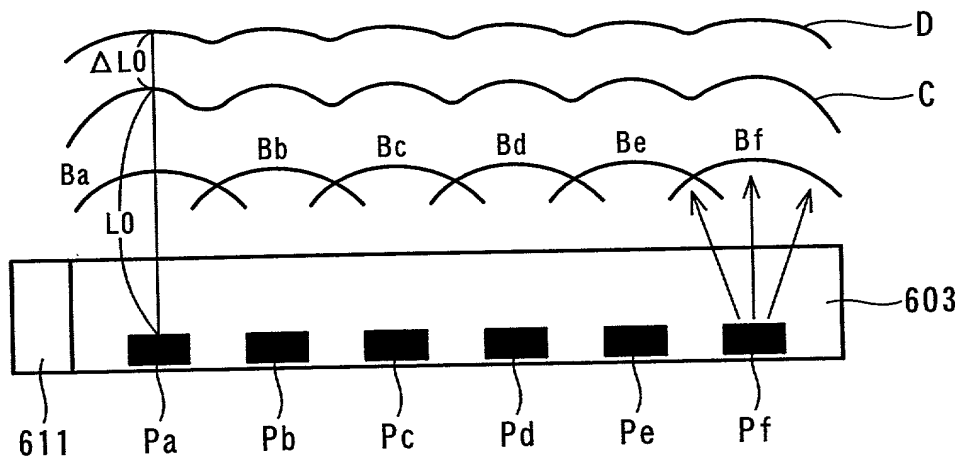


FIG. 30

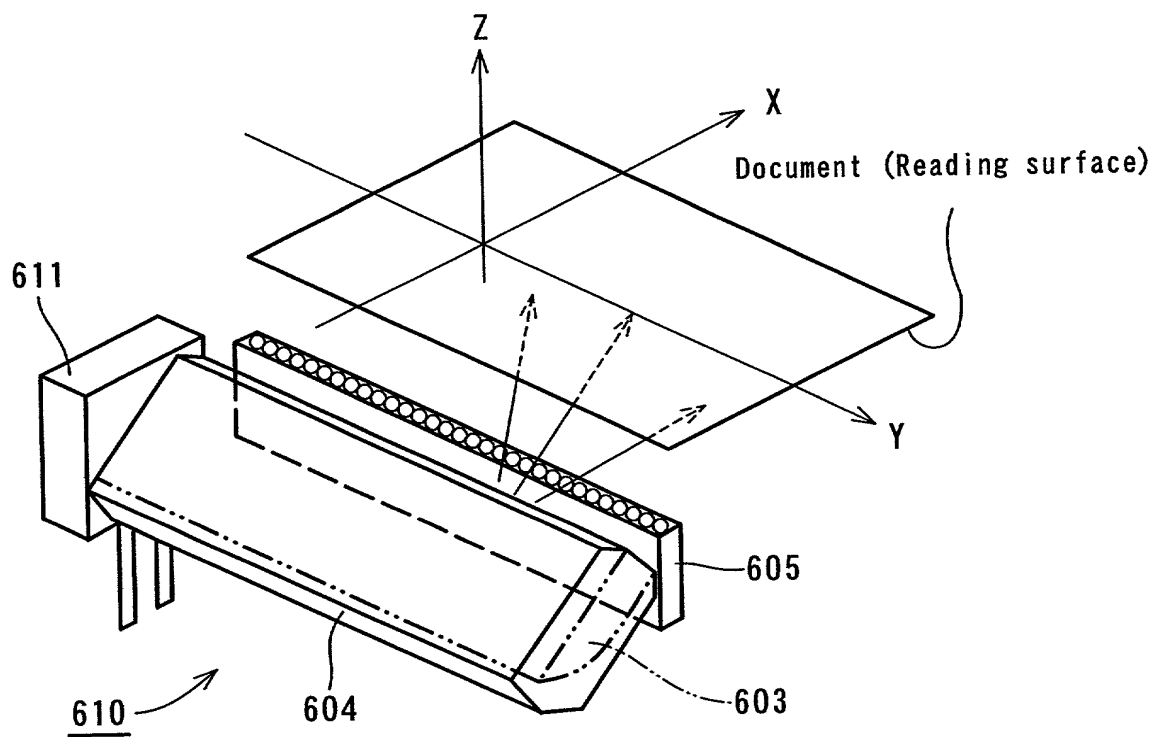


FIG. 31

